

ABSTRACT

A device for automatic tire inflation and tire pressure display has a tire pressure measurement unit, a tire temperature sensor (a thermometer) and a gradienter for measuring the tire balance. The tire pressure measurement unit

5 has a tire pressure measurement unit, a voltage regulating circuit of power source, a microprocessor control unit, a wireless transceiving module and an inflation/deflation control component. The tire pressure measurement unit measures the tire pressure value of a tested tire. The tire pressure value is then wirelessly displayed on a display unit in a vehicle so that the user can know the

10 present status of a tire. The user can also maneuver a function key to select an operation according to the displayed data and send this message to the tire room to execute inflation or deflation of the tire.